IN THE CLAIMS:

- 1. (Twice Amended) A <u>pressure can which is filled with a</u> prepolymer composition for producing polyurethane insulating foams with fire-retardant properties from pressure tanks, <u>wherein said filled pressure can and prepolymer composition comprises:</u>
 - (A) a prepolymer composition itself comprising:
- (a) [which composition consists] a prepolymer component <u>having</u> [with] at least one <u>polyurethane (PU)</u> [PU] prepolymer with a content of NCO groups of 4 to 20 wt% [and usual additives],
 - (b) polyester-polyols having a molecular weight of between 1000 and 2000 daltons, (c) optionally liquid polybutadiene, [as well as] and
 - (d) a propellant component, [characterized in that the]

wherein said prepolymer component is [substantially] halogen-free and has a content of 5 to 40 wt%, [based on the prepolymer component,] of softening phosphates [and/or], phosphonates or combinations thereof having [with] the formulae O=P(OR)₃ and O=P(OR)₂R, wherein R [, identically or differently,] is the same or different and selected from alkyl, aryl, alkyl aryl or arakyl groups having up to 10 [C] carbon atoms based on the prepolymer component,

said prepolymer component optionally further includes a flame-retardent additive which is free from chlorine and bromine.

wherein said polyurethane prepolymer is a prepolymer prepared by the reaction of aliphatic or aromatic polyisocyanates with castor oil having a hydroxyl number of between about 100 and 300, and

(B) a pressure can.

2. (Twice Amended) The <u>pressure filled can and prepolymer composition of claim 1</u>, wherein the [a] <u>polyurethane (PU)</u> [characterized by a PU] prepolymer [based on] <u>is prepared from aliphatic polyisocyanates or [and] aromatic polyisocyanates and polyester polyols, and</u>

the propellent is a fluorocarbon.

- 3. (Twice Amended) The <u>pressure filled can and</u> prepolymer composition of claim 2, wherein the polyisocyanate is [selected] <u>prepared from monomers selected from the group consisting of [based on] hexamethylene-1,6-diisocyanate, naphthalene-1, 5-diisocyanate, tolylene diisocyanate, isophorone diisocyanate, diphenylmethane diisocyanate [or] <u>and dicyclohexylmethane diisocyanate</u>.</u>
 - 4. (Twice Amended) The <u>pressure filled can and prepolymer composition of claim [2]</u>

1 wherein the polyester polyols have a molecular weight of 1000 to 2000, and the propellent is a fluorocarbon.

- 5. (Twice Amended) The <u>pressure filled can and prepolymer composition [of any] of [claims 2 to 4] Claim 2</u>, wherein the polyester polyols are [ones based on] <u>prepared from monomers selected from the group consisting of ethylene glycol [or], glycerine, [and] aromatic <u>polycarboxylic acids and [or] aliphatic[, preferably native,] polycarboxylic acids.</u></u>
- 6. (Twice Amended) The <u>pressure filled can and prepolymer composition of claim 2</u> wherein the polyester polyols are at least partly phosphorous-modified.
- 7. (Twice Amended) The <u>pressure filled can and prepolymer composition of claim 1</u> wherein in the <u>prepolymer composition</u> [a] the liquid polybutadiene is <u>present and the</u> content of liquid polybutadiene is <u>between</u> 0.01 to 2 wt% <u>based on the prepolymer composition</u>.
- 8. (Twice Amended) The <u>pressure filled can and prepolymer composition of claim 7</u>, wherein the liquid polybutadiene <u>is present and contains about 75% 1,4-cis double bonds</u>, about 24% 1,4-trans double bonds and about 1% vinyl double bonds, has a molecular weight, determined by vapor-pressure osmosis, of about 3000 and a viscosity at 20°C of about 3000 mPa.s.
- 9. (Twice Amended) The <u>pressure filled can and prepolymer composition</u> of claim 1, wherein propellant content is 5 to 40 wt% of the <u>prepolymer composition</u>.
- 10. (Twice Amended) The <u>pressure filled can and prepolymer composition of claim 1</u>, wherein the propellant component [contains] <u>comprises</u> propane, butane, [and/or] dimethylether <u>or mixtures thereof</u>.
- 11. (Twice Amended) The pressure filled can and prepolymer composition of claim 1, wherein the propellant component contains fluorocarbon selected from the group consisting of [,] [in particular R 125, R 134a, R 143 and/or R 152a] $\underline{C_2HF_5}$, $\underline{C_2H_2F_4}$ (unsymmetrical), $\underline{C_2H_3F_3}$, $\underline{C_2H_4F_2}$ (unsymmetrical) and mixtures thereof.
- 12. (Twice Amended) The <u>pressure filled can and prepolymer composition</u> of claim 1, wherein <u>the prepolymer composition</u> [it] additionally contains a flame-retardant additive which is free from chlorine and bromine.
- 13. (Twice Amended) The <u>pressure filled can and prepolymer composition of claim 12</u>, wherein the flame-retardant additive is <u>selected from the group consisting of melamine</u>, melamine cyanurate, dimelamine phosphate, melamine phosphate, cyanodiamide, dicyanodiamide, aluminum trihydrate, ammonium polyphosphate <u>and mixtures</u> [or a mixture] thereof.

14. (Twice Amended) The <u>pressure filled can and prepolymer composition of claim 1</u>, wherein the initial service viscosity of the [PU] <u>polyurethane</u> prepolymer at 20°C is 5000 to 20000 mPa.s.

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- 15. (Amended) The <u>pressure filled can and prepolymer composition</u> of claim 11, [characaterized by an] <u>wherein the initial service viscosity of the [PU] polyurethane prepolymer is between 8000 to 15000 mPa.s.</u>
- 16. (Twice Amended) The <u>pressure filled can and prepolymer composition</u> [Use of softening phosphates and phosphonates] of claim 1 <u>wherein softing phosphates and phosphonates</u> are used for setting polyurethane insulating foams to be flame-retardant, and

the propellent is a fluorocarbon.

- 17. (Twice Amended) <u>The [A] pressure can and prepolymer composition</u> for discharging [1C] <u>one component polyurethane insulating foams[, filled with] of the prepolymer composition of claim 1.</u>
- 18. (Amended) The <u>pressure filled can and prepolymer composition of Claim 1</u> [3] wherein the polyester polyols have a molecular weight of 1000 to 2000, and the <u>propellent component is selected from the group consisting of propane, butane, dimethylether and mixtures thereof.</u>
- 19. (Amended) The <u>pressure filled can and prepolymer composition of Claim 4 wherein</u> the polyester polyols are [ones based on] <u>prepared from monomers selected from the group consisting of ethylene glycol, [or] glycerine, [and] aromatic <u>polycarboxylic acids and [or] aliphatic</u>[, preferably native,] polycarboxylic acids.</u>
- 20. (Amended) The <u>pressure filled can and prepolymer composition of Claim 5 wherein</u> said [the] polyester polyols are at least partly phosphorous-modified.
- 21. (Amended) The <u>pressure filled can and prepolymer composition of Claim 6, wherein</u> the [a] content of liquid polybutadiene is 0.01 to 2 wt% of the <u>prepolymer component</u>.
- 22. (Amended) The <u>pressure filled can and prepolymer composition of Claim 8</u>, wherein the [a] propellant content of 5 to 40 wt% of the <u>prepolymer component</u>.
- 23. (Amended) The <u>pressure filled can and prepolymer composition of Claim 9</u>, wherein the propellant component [contains] <u>comprises</u> propane, butane [and/or], dimethylether <u>or combinations thereof</u>.
 - 24. (Amended) The <u>pressure filled can and prepolymer composition of Claim 10</u>, wherein

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the propellant component contains fluorocarbon[, in particular R 125, R 134a, R 143 and/or R 152a] selected from the group consisting of C₂HF₅, C₂H₂F₄ (unsymmetrical), C₂H₃F₃, C₂H₄F₂ (unsymmetrical) and mixtures thereof.

- 25. (Amended) The <u>pressure filled can and</u> [use of the] prepolymer composition of Claim 11 wherein [it] <u>the prepolymer composition</u> additionally contains a flame-retardant additive which <u>itself</u> is free from chlorine and bromine.
- 26. (Amended) The <u>pressure filled can and prepolymer composition of Claim 13</u>, wherein the initial service viscosity of the PU prepolymer at 20°C is <u>between 5000</u> to 20000 mPa.s.
- 27. (Amended) The <u>pressure filled can and prepolymer composition</u> [use of the softening phosphates and phosphonates] of Claim 11 <u>wherein softening phosphates and phosphonates are used</u> for the setting polyurethane insulating foams to be flame retardant.
- 28. (Amended) The [A] pressure can <u>and prepolymer composition</u> for discharging [1C] <u>one component polyurethane insulating foams[, characterized in that] wherein the composition comprises a prepolymer composition of Claim 15.</u>
- 29. (Amended) A prepolymer composition for producing polyurethane insulating foams [with] <u>having</u> fire-retardant properties from pressure tanks, which <u>prepolymer</u> composition comprises:

a prepolymer component with at least one polyurethane (PU) prepolymer with a content of NCO groups of 4 to 20 wt%, and a propellant component, characterized in that the prepolymer component is halogen-free and has a content of 5 to 40 wt%, based on the prepolymer component, of softening phosphates, [and/or] phosphonates or mixtures thereof with the formula O=P(OR)₃ and O=P(OR)₂R, wherein R is the same or different and [, identically or differently,] is selected from the group consisting of alkyl, aryl, alkyl aryl [or] and arakyl having up to 10 carbon atoms, wherein the polyurethane prepolymer comprises one prepared by the reaction of aliphatic or aromatic polyisocyanates with castor oil having a hydroxyl number of between about 100 to 300.

REMARKS

Applicants have further amended the claims to reflect the pressure can and composition, for pending Claims 1-29 in the present invention. These claims have been specifically amended to better explain and describe the present invention.

Applicants' undersigned attorney had difficulty understanding which portions of the prior